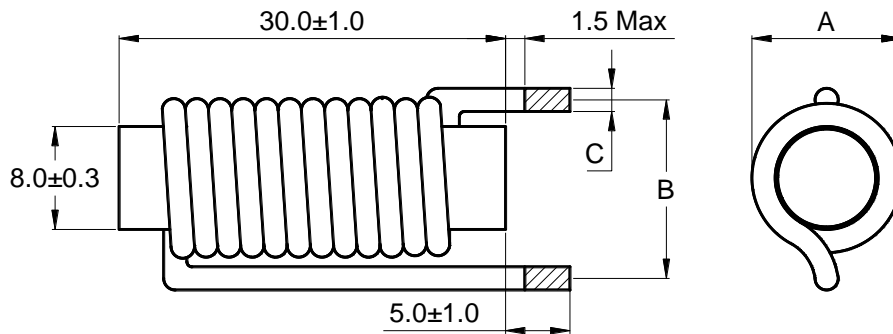


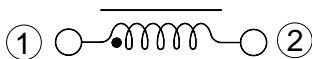
Outline: 产品概要

- Low cost design, use ferrite cores.
低成本设计，使用铁氧体磁芯。
- Low DC Resistance and high saturation current.
低直流电阻和高饱和电流。
- Lead free products, RoHS compliant.
低无铅产品，符合 RoHS 指令。
- Widely used in Power Supplier/Power amplifiers/
Switching power supplies/Output antenna and other
filters/Monitors/TV Sets/UPS, etc.
广泛应用于电源供应器，功率放大器，开关电源，输出
天线和其它过滤器，监视器，电视机和不间断电源等。
- Operating temperature : -40°C ~ +125°C
(Including coil's temperature rise)
工作温度：-40°C ~ +125°C (包含线圈发热)

1 Appearance and dimensions (mm) 外形尺寸



2 Schematic 原理图



Part No. 品名	A	B	C
	Max	±1.0	±0.15
RKR0830-4R7M	12.20	16.50	1.80
RKR0830-5R6M	11.80	15.50	1.60
RKR0830-6R8M	11.60	14.50	1.40
RKR0830-8R2M	11.20	14.00	1.30
RKR0830-100M	10.90	13.50	1.20
RKR0830-150M	10.60	12.50	1.00
RKR0830-220M	10.20	12.00	0.80

**3 Electrical characteristics
电气特性**

Part No. 品名	Inductance (μH) 电感值 ※1 ±20%	D.C.R. (mΩ) 直流电阻		Saturation current (A) 饱和电流 ※2 Typical	Temperature rise current (A) 温升电流 ※3 Typical
		Typical	Max		
RKR0830-4R7M	4.70	2.84	3.69	21.0	27.7
RKR0830-5R6M	5.60	3.80	4.90	19.0	24.1
RKR0830-6R8M	6.80	5.19	6.74	16.0	20.4
RKR0830-8R2M	8.20	6.20	8.10	14.0	18.3
RKR0830-100M	10.0	8.70	11.3	12.0	16.0
RKR0830-150M	15.0	14.8	19.2	10.0	12.1
RKR0830-220M	22.0	26.3	34.1	9.0	9.70

■ All data is tested based on 25°C ambient temperature.
所有数据基于环境温度 25°C条件下测试。

※1 Inductance measure condition at 1kHz, 0.25V.
电感测试条件为 1kHz, 0.25V。

※2 Saturation current: the actual value of DC current when the inductance decrease 20% of its initial value.
饱和电流: 电感值下降其初始值的 20%时所加载的实际直流电流值。

※3 Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).
温升电流: 使产品温度上升到 ΔT40°C时所加载的实际直流电流值(Ta=25°C)。

※ Special remind: Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.
特别提醒: 线路设计, 组件布局, 印刷电路板(PWB)尺寸及厚度, 散热系统等均会影响产品温度。请务必在最终应用时, 验证产品发热状况。

**4 Saturation current VS temperature rise current curve
饱和电流 VS 温升电流曲线**

